THE CLAIMS

1. (Currently Amended) A method for identifying a plurality of golf clubs and golf balls, comprising:

storing image reference information for each of the plurality of golf clubs and golf balls;

acquiring an image of at least one of said balls and clubs during a swing with at least one camera system; and

identifying with a computational device at least one of said club or ball based on a comparison to said image reference information using Eigen values.

2. (Previously Presented) The method according to claim 1, wherein said identifying takes about six seconds or less.

3. (Previously Presented) The method according to claim 1, wherein said identifying takes about one second or less.

4. (Original) The method according to claim 1, wherein said image reference information is based on a plurality of markers, wherein said markers comprise visible ink.

5. (Original) The method according to claim 4, wherein said markers comprise ink responsive to ultraviolet light.

6. (Original) The method according to claim 4, wherein said visible ink markers comprise limited spectrum markers responsive to one of colored light and fluorescent light.

7. (Original) The method according to claim 1, wherein said image reference information is based on inherent features of said balls and clubs.

8. (Canceled)

9. (Currently Amended) A method for identifying a plurality of golf clubs and golf balls, comprising:

storing image reference information based on a plurality of markers for each of the plurality of golf clubs and golf balls;

acquiring an image of at least one of said balls and clubs during a swing at least one camera system; and

identifying with a computational device at least one of said club or ball based on a comparison to said image reference information in about six seconds or less using Eigen values.

10. (Previously Presented) The method according to claim 9, wherein said plurality of markers comprise visible ink.

11. (Original) The method according to claim 10, wherein said markers comprise ink responsive to ultraviolet light.

12. (Original) The method according to claim 10, wherein said visible ink markers comprise limited spectrum markers responsive to one of colored light and fluorescent light.

13. (Original) The method according to claim 9, wherein said image reference information is based on inherent features of said balls and clubs.

14. (Canceled)

15. (Previously Presented) A system for identifying a plurality of objects, comprising:

at least one camera system; and

a computational device capable of identifying an acquired image from a library of stored reference information and Eigen values.

16. (Original) The system according to claim 15, wherein said identifying is based on inherent factors of the object.

17. (Original) The system according to claim 15, wherein said identifying is based on a plurality of UV markers.

18. (Original) The system according to claim 15, wherein said identifying is based on a plurality of visible markers.

19. (Original) The system according to claim 15, wherein said library of stored reference information comprises about 200 or more objects.

20. (Previously Presented) The method of claim 1, wherein the method identifies a plurality of golf balls.

21. (Previously Presented) The method of claim 9, wherein the method identifies a plurality of golf balls.